

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
SAN FRANCISCO BAY REGION

ORDER NO. 90-064

AMENDMENT OF SITE CLEANUP REQUIREMENTS, ORDER NO. 89-16,  
FOR:

FAIRCHILD SEMICONDUCTOR CORPORATION AND SCHLUMBERGER TECHNOLOGY  
CORPORATION  
SAN JOSE  
SANTA CLARA COUNTY

The California Regional Water Quality Control Board, San  
Francisco Bay Region (hereinafter called the Board), finds that:

1. The Board adopted Order Nos. 89-15 and 89-16 for Fairchild Semiconductor Corporation and Schlumberger Technology Corporation (hereinafter called the dischargers) on January 18, 1989. Order No. 89-15 regulates the discharge of extracted groundwaters and Order No. 89-16 requires cleanup of groundwater and soils at the dischargers' San Jose facility and of chemicals which migrated from the facility.
2. The dischargers appealed several aspects of Orders No. 89-15 and 89-16 to the State Water Resources Control Board (hereinafter called the State Board). Prior to a final determination on the appeal, the dischargers on March 4, 1990 made a proposal to resolve the major issues in the appeal. The proposal called for: 1. Termination of the on-site soil aeration program; 2. Continuation of off-site groundwater pumping; 3. Resaturation of the on-site B aquifer through reinjection of treated off-site groundwater; 4. Upgrading the on-site groundwater treatment system; 5. Maintenance of on-site soil aeration and groundwater extraction wells; 6. Termination of off-site pumping from well RW-25(B) upon on-site B aquifer resaturation; and 7. Monitoring and evaluation of activities proposed.
3. As part of the appeal process the State Board granted stays to two aspects of Order Nos. 89-15 and 89-16. The stays covered the requirements for an on-site treatment system design and the requirement for additional monitoring wells. Time schedules for these tasks contained in the original orders need to be modified to account for delays caused by the appeal process.
4. The dischargers' March 4, 1990 proposal is acceptable to the Board provided that all portions of Order Nos. 89-15 and 89-16 not specifically modified by the Board will be complied with. The proposal is acceptable since it requires that all groundwater cleanup goals be met, thus meeting the requirements of both State law and CERCLA/SARA. The remaining wastes in on-site soils should not pose a problem,

other than their potential impact on groundwaters which is addressed by this Order, because of their depth and containment by the slurry wall.

5. The issuance of this Order is exempt from Provisions of Chapter 3 (commencing with Section 21100) of Division 13 of the Public Resources Code (CEQA) pursuant to Section 15321 of the Resources Agency Guidelines.
6. The Board, in a public meeting, heard and considered all comments pertaining to the discharge.

IT IS HEREBY ORDERED that the dischargers, pursuant to Section 13304 of the California Water Code and Section 25356.1 of the California Health and Safety Code, shall comply with the following:

A. Amendments of Order No. 89-16

Order No. 89-16 shall be amended as follows:

1. Specification B.6. shall be deleted and replaced with the following: "The dischargers may discontinue further soil cleanup provided that current facilities for soil cleanup can be restarted within 90 days of submittal of an on-site remediation plan required under Provision C.2.k. of this Order that calls for further soil remediation."
2. For Provision C.2.a.3. the completion date shall be changed to December 15, 1990.
3. Provisions C.2.b.2,3, and 4 shall be deleted.
4. For Provision C.2.e.1. the completion date shall be changed to September 15, 1990.
5. For Provision C.2.e.2. the completion date shall be changed to November 15, 1990.
6. A Provision C.2.k. shall be added which states:

COMPLETION DATE: Upon resaturation of the on-site B aquifer, within sixty days after submission of a quarterly monitoring report indicating that chemical concentrations in two or more on-site monitoring wells have exceeded cleanup goals for that quarter or after one well has exceeded cleanup goals for two or more consecutive quarters.

TASK 22: ON-SITE REMEDIATION PLAN. Submit a technical report acceptable to the Executive Officer which contains a plan to regain compliance with on-site groundwater goals contained in Specification B.4. This plan shall contain an evaluation of the cause(s) for the goals being exceeded. This plan shall also at a minimum address extraction, treatment, and reinjection of on site groundwaters and additional treatment

of on-site soils. Soil treatment shall consider the existing soil aeration system, an expanded soil aeration system, and other methods of soil treatment. For purposes of this Order, B aquifer resaturation occur either when; 1. groundwater elevations within the on-site B aquifer equal or exceed the average off-site B aquifer groundwater elevation near the site and any time thereafter, or 2. beginning two years after commencement of the resaturation program, whichever is earlier.

7. A Provision C.2.1. shall be added which states:

COMPLETION DATE: Thirty days prior to proposed modification date.

TASK 23. MODIFICATION OF OFF-SITE PUMPING. Submit a technical report acceptable to the Executive Officer that contains a proposal for discontinuing pumping from Well RW-25(B) once on-site resaturation is achieved. The report shall contain an evaluation of capture zone confirmation for extraction wells that would continue pumping after the shutdown of RW-25(B).

I, Steven R. Ritchie, Executive Officer do hereby certify the forgoing is a full, true and correct copy of an Order adopted by the California Regional Water Quality Control Board, San Francisco Bay Region on May 16, 1990.



STEVEN R. RITCHIE  
Executive Officer